


		NTSB ID: DEN03LA011		Aircraft Registration Number: N41807	
		Occurrence Date: 10/21/2002		Most Critical Injury: Minor	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Fort Collins	State CO	Zip Code 80241	Local Time 1810	Time Zone MDT	
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Bellanca		Model/Series 7KCAB		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On October 21, 2002, at approximately 1810 mountain daylight time, a Bellanca 7KCAB, N41807, registered to Swain Aviation LLC, and operated by The Flying School, both of Fort Collins, Colorado, was destroyed when it nosed over following an attempted go-around during a touch-and-go landing at Fort Collins-Loveland Municipal Airport (FNL), Fort Collins, Colorado. The private pilot, the sole occupant on board, received minor injuries. Visual meteorological conditions prevailed. No flight plan had been filed for this local flight being conducted under Title 14, CFR Part 91. The flight originated at approximately 1730.</p> <p>According to the pilot, he was doing touch-and-go landings on runway 15. On this approach, he made a 3-point landing and bounced. He settled the airplane back down for a second 3-point landing, but there was a "lack of directional ground control and some drift to the right of centerline." He added full power for a go-around, but the controls felt "mushy," and there was a "lack of aileron control." The airplane drifted to the right, struck the runway with its right wingtip, and nosed over. The airplane sustained substantial damage to both the left and right wing spars, empennage, forward fuselage, both main landing gear attachment points, rudder and left horizontal stabilizer.</p> <p>The reported weather conditions at 1815 was wind, 070 degrees at 07 knots; visibility, 10 statute miles; sky condition, clear; temperature, 11 degrees C.; dew point, 03 degrees C.; altimeter setting, 30.00.</p> <p>According to these conditions, a landing on runway 15, would result in an 80 degree left-hand crosswind.</p>					
FACTUAL REPORT - AVIATION					

 National Transportation Safety Board FACTUAL REPORT AVIATION		NTSB ID: DEN03LA011			
		Occurrence Date: 10/21/2002			
		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name	Airport ID:	Airport Elevation	Runway Used	Runway Length	Runway Width
Ft Collins/Loveland Municipal	FNL	5016 Ft. MSL	15	8500	100
Runway Surface Type: Asphalt					
Runway Surface Condition: Dry					
Type Instrument Approach: NONE					
VFR Approach/Landing: Touch and Go					
Aircraft Information					
Aircraft Manufacturer		Model/Series		Serial Number	
Bellanca		7KCAB		403-73	
Airworthiness Certificate(s): Normal					
Landing Gear Type: Tailwheel					
Homebuilt Aircraft? No	Number of Seats: 2	Certified Max Gross Wt.	1650 LBS	Number of Engines: 1	
Engine Type:	Engine Manufacturer:	Model/Series:	Rated Power:		
Reciprocating	Lycoming	IO-320-E2A	150 HP		
- Aircraft Inspection Information					
Type of Last Inspection	Date of Last Inspection	Time Since Last Inspection	Airframe Total Time		
Annual	10/2002	5 Hours	2135 Hours		
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? Yes	ELT Operated? No	ELT Aided in Locating Accident Site? No			
Owner/Operator Information					
Registered Aircraft Owner		Street Address			
		2391 E 126th Loop			
Swain Aviation LLC		City	State	Zip Code	
		Thornton	CO	80241	
Operator of Aircraft		Street Address			
		Same as Reg'd Aircraft Owner			
Same as Reg'd Aircraft Owner		City	State	Zip Code	
Operator Does Business As: The Flying School			Operator Designator Code:		
- Type of U.S. Certificate(s) Held: None					
Air Carrier Operating Certificate(s):					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 91: General Aviation					
Type of Flight Operation Conducted: Personal					
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First Pilot Information																																																																																				
Name		City		State	Date of Birth																																																																															
On File		On File		On File	On File																																																																															
					Age																																																																															
					36																																																																															
Sex: M	Seat Occupied: Front	Principal Profession: Civilian Pilot		Certificate Number: On File																																																																																
Certificate(s): Private																																																																																				
Airplane Rating(s): Single-engine Land																																																																																				
Rotorcraft/Glider/LTA: None																																																																																				
Instrument Rating(s): Airplane																																																																																				
Instructor Rating(s): None																																																																																				
Type Rating/Endorsement for Accident/Incident Aircraft? No				Current Biennial Flight Review? 04/2002																																																																																
Medical Cert.: Class 3		Medical Cert. Status: Valid Medical--w/ waivers/lim.		Date of Last Medical Exam: 08/2000																																																																																
<table border="1"> <tr> <th rowspan="2">- Flight Time Matrix</th> <th rowspan="2">All A/C</th> <th rowspan="2">This Make and Model</th> <th rowspan="2">Airplane Single Engine</th> <th rowspan="2">Airplane Multi-Engine</th> <th rowspan="2">Night</th> <th colspan="2">Instrument</th> <th rowspan="2">Rotorcraft</th> <th rowspan="2">Glider</th> <th rowspan="2">Lighter Than Air</th> </tr> <tr> <th>Actual</th> <th>Simulated</th> </tr> <tr> <td>Total Time</td> <td>442</td> <td>5</td> <td>441</td> <td>1</td> <td>8</td> <td>4</td> <td>58</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td>387</td> <td>1</td> <td>387</td> <td></td> <td>5</td> <td></td> <td>58</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>9</td> <td>5</td> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>7</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument		Rotorcraft	Glider	Lighter Than Air	Actual	Simulated	Total Time	442	5	441	1	8	4	58				Pilot In Command(PIC)	387	1	387		5		58				Instructor											Last 90 Days	9	5	9								Last 30 Days	7	5									Last 24 Hours										
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Seatbelt Used? Yes		Shoulder Harness Used? Yes		Toxicology Performed? No																																																																																
				Second Pilot? No																																																																																
Flight Plan/Itinerary																																																																																				
Type of Flight Plan Filed: None																																																																																				
Departure Point		State	Airport Identifier	Departure Time	Time Zone																																																																															
Same as Accident/Incident Location			FNL		MDT																																																																															
Destination		State	Airport Identifier																																																																																	
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Type of Clearance: None																																																																																				
Type of Airspace: Class E																																																																																				
Weather Information																																																																																				
Source of Briefing: Unknown																																																																																				
Method of Briefing: Unknown																																																																																				

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			Occurrence Type: Accident		

Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation	WOF Distance From Accident Site	Direction From Accident Site
FNL	1815	MDT	5016 Ft. MSL	NM	Deg. Mag.
Sky/Lowest Cloud Condition: Clear				Ft. AGL	Condition of Light: Day
Lowest Ceiling: None			Ft. AGL	Visibility: 10 SM	Altimeter: 30.00 "Hg
Temperature: 11 °C		Dew Point: -3 °C	Wind Direction: 70		Density Altitude: 5647 Ft.
Wind Speed: 7		Gusts:	Weather Conditions at Accident Site: Visual Conditions		
Visibility (RVR): Ft.		Visibility (RVV) SM	Intensity of Precipitation:		
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information					
Aircraft Damage: Destroyed		Aircraft Fire: None		Aircraft Explosion: None	
Classification: U.S. Registered/U.S. Soil					

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot			1		1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -			1		1
Other Ground					
- GRAND TOTAL -			1		1

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	Occurrence Date: 10/21/2002	
	Occurrence Type: Accident	
Administrative Information		
<p>Investigator-In-Charge (IIC)</p> <p>Brannon D. Mayer</p>		
<p>Additional Persons Participating in This Accident/Incident Investigation:</p> <p>Bob Bunderson Denver FSDO 26805 E. 68th Ave #200 Denver, CO 80249</p>		
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